



2nd Electric Power and Renewable Energy Conference - 2021 (EPREC-2021)

Organized by Department of Electrical Engineering
National Institute of Technology Jamshedpur



Theme: Impact and Implementation of Renewable Energy Technologies

Welcome to EPREC, 2021

The Electric Power and Renewable Energy Conference (EPREC-2020) has been a great success – which was held from May 29th to May 30th, 2020. The Electric Power and Renewable Energy Conference has been a premier forum for presenting recent advances in Power System, power electronics & drives and control application in power system areas. Now, 2nd Electric Power and Renewable Energy Conference (EPREC 2021) is being organized by Department of Electrical Engineering, National Institute of Technology Jamshedpur, India during May 28th-30th, 2021.

The conference will feature various expert talks, paper presentations, and discussions on state of art technologies in power system, power electronics & drives and control applications in smart power system.



CALL FOR PAPERS
The conference provides a platform for author to get recognition for their research findings and, innovations. The scope of the conference is multidisciplinary and focuses on the emerging areas in the field of Modern Power System, Advancement in Power Electronics & Drives, and Control Applications in Modern Power System. The accepted papers, presented by the duly registered authors in EPREC-2021, are to be submitted to SPRINGER for publication in Scopus-indexed book series Lecture Notes in Electrical Engineering.

Prospective authors are invited to submit original and unpublished papers in the following areas:

Track 1: Recent Advances in Power Systems

Power System Restructuring, Smart Generation, Transmission & Distribution, Power Quality - Quantification and Estimation of Disturbances in transmission and distribution Networks, Converters and Control for improving power quality, Policy Issues - Policies for Distributed Generation, Smart Grids and operation with increased renewable penetration, Power System Restructuring, Economics & Electricity Markets, Demand Side Management, Home Automation & Smart Buildings, Transmission System Technologies, HVDC & FACTS, AI Applications to Power Systems, Advanced Power Apparatus, Micro, Nano & Pico Grids, Power System Planning & Reliability, Grid Flexibility, Resiliency & Security, Power Sector Policies & Regulations

Track 2: Recent Advances in Power Electronics & Drives

Developments in Power Electronics & Drives, Smart Grid Modeling, Power Converters- Topologies, modeling and Control, Components and Devices - Power Device modeling and Device Drivers, Packaging of Devices, systems and thermal issues, Magnetic materials and Component design, passives and filter designs, Electrical Machines - Modeling, Analysis and Design of rotating and linear machines and electromagnetic devices, Industrial Drives - Converters, Operation and Control, EMI - EMI and EMC issues in Power Electronic System Design and Packaging, Methods of Analysis and filters, Energy Storage - Role and Operation in Grids and Microgrids, Charging and Discharging, Battery Management Systems, Battery Engineering, Battery use and reuse, Smart & Micro Grids - Modeling and Control, Integration of Multiple Energy Sources, Economics of Smart Grids and Micro grids, Power Flow Control - Reactive and active power controls, FACTS devices, Transportation - Power Electronics and motor control for xEV Applications, charging methods and standards, Wireless Charging, G2V and V2G applications, Aircraft and space applications, Railway Traction applications

Track 3: Control Applications in Modern Power System

Control for renewable-based distributed generation, Renewable Energy - Control and Grid Interaction, Wide Area Monitoring, Control & Automation, Control Applications to Power Systems, Optimization Problems in Future Grids, Data Analytics & IOT for Power Systems, Signal Processing Analytics for Power Systems, Physical, Cyber & System Security in Power Grids, Energy Management for Smart Systems, Multi Energy Vector, Zero Carbon System, Miscellaneous

PLEASE NOTE:

The paper must be submitted through EasyChair at <https://easychair.org/conferences/?conf=eprec2021>.



The conference will have oral sessions. High quality original papers as per the standards of SPRINGER will be accepted.



More details about paper submission and author instructions are posted at on the Conference website. Please keep visiting www.eprec.co.in

IMPORTANT DATES

Paper submission opens	December 07, 2020
Paper submission closes	March 24, 2021
Paper acceptance notification	April 30, 2021
Registration opens	May 01, 2021
Last Date of Camera-ready paper submission	May 14, 2021
Last Date of Registration	May 14, 2021

CONFERENCE COMMITTEE

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Registration Fees

On-Site Presentation#:	
Student/Scholar (India):	INR 2500
Academic Participants (India):	INR 3500
Industry Professional/Others (India):	INR 4000
Student/Scholar (outside India):	USD 75
Other participants (outside India):	USD 100

#Tentative (Organizers will assess the situation related to COVID-19 and then decide the feasibility of on-site presentations)

Online Presentation*:	
Student/Scholar (India):	INR 1000
Academic Participants (India):	INR 1500
Industry Professional/Others (India):	INR 2000
Student/Scholar (outside India):	USD 35
Other participants (outside India):	USD 50

*The conference kit will not be provided. The e-copy of the paper presentation certificate will be sent to the author's e-mail address. Additionally, an e-copy of conference proceedings will be shared with the presenters.

Contact Us:

Secretariat EPREC-2021
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